SHORT SEGMENT STUDIES OF THE DEEP PERONEAL NERVE

**Position of limb:**
Patient supine, sitting or reclining. The ankle joint in a relaxed, neutral position.

**Recording:**

**Electrodes**
Surface plate electrodes.

**Position of recording electrode:**
In the middle of m.extensor digitorum brevis.

**Position of reference electrode:**
At the fifth metatarsophalangeal joint.

**Stimulation:**

**Electrode**
Surface electrode on a fixed bar.

**Stimulation sites:** (fig 1)
Ankle: 80 mm proximal to the recording electrode, lateral to the tendon of m.tibialis anterior.
Across the fibular head: 0 position = proximal border fibular head. Consecutive stimulation point are marked every 10 mm along the course of the nerve from -10 mm (proximal) to +70 mm (distal) from 0.

**Keypoint settings:** program PERONEUS INCHING (standard filter settings of MCV)

**Referens values:** (Fiacca, Falck, Stålberg) 1997, N=60 adults

**Segment conduction time:** upper normal limit (2SD) = 0.4 (fig 2)

**Amplitude decay:** upper normal limit (2SD) = 3% (fig 3)


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Stimulation sites

Controls

Peroneal nerve inching - controls (N=60)

Controls

Peroneal nerve inching - controls (n=60)